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Applicant : Xinnian Dong *et al.*

Art Unit : 1638

FEB 15 2001

Serial No. : 08/908,884

Examiner : A. Nelson

Filed : August 8, 1997

Customer No.: 21559

TECH CENTER 1600/2900

Title : ACQUIRED RESISTANCE GENES AND USES THEREOF

Assistant Commissioner of Patents and Trademarks
Washington, DC 20231

REPLY TO EXAMINER'S ACTION

In reply to the Examiner's Action mailed August 8, 2000, Applicants submit the following remarks.

REMARKS

In general, applicants' invention features a novel gene family, the members of which encode regulators that control the onset of acquired resistance pathogen defense responses. The invention is based, in part, on applicants' discovery of a gene encoding a novel protein containing ankyrin repeats, as well as their finding that the transformation of the cloned gene into plants confers broad-spectrum disease resistance. Importantly, the invention provides for the genetic engineering of long-lasting, broad-spectrum resistance in crops.